

3D-PHAD[®]
Monophosphoryl 3-Deacyl Lipid A (Synthetic)
699852P-1MG
Page 1 of 1

Molecular Weight	1537.114
Chemical Formula	C ₈₂ H ₁₅₈ N ₃ O ₂₀ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5089PGB017
Avanti Lot Number	699852P-1MG-B-017

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
HPLC-ELSD	NLT 99% (AUC)	99.6 % (AUC)
Mass Spectroscopy (TOF)	[M-NH ₄] ⁺ = 1518.12 ± 1 amu	[M-NH ₄] ⁺ = 1518.09 amu

Approved By:



For Research Use Only. Not For Human Use.